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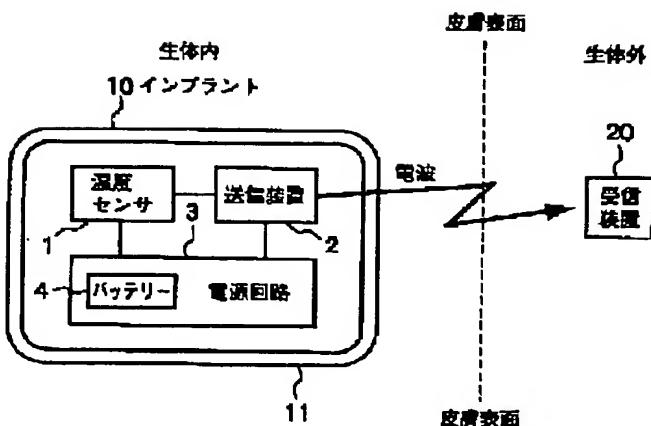
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TITLE : TEMPERATURE MEASURING DEVICE
AND IMPLANT



ABSTRACT : PROBLEM TO BE SOLVED: To provide an internal indwelling minimum implant eliminating the lead wires of a measuring instrument measuring *in vivo* information, receiving the radio waves transmitted from an oscillator to obtain the information, and capable of being locally heated via the radiation of an external electromagnetic field and to provide a temperature measuring device.

SOLUTION: A temperature sensor 1 made of an oscillator using a transistor having the frequency characteristic of the output signal changed depending on temperature, a transmitter 2 transmitting the signal outputted from the temperature sensor 1, and a power circuit 3 feeding power to the temperature sensor 1 and the transmitter 2 are stored in a capsule-shaped case 11 to form an implant 10. This system is constituted of an external receiver 20 receiving the signal outputted from the transmitter 2 of the implant 10 buried in vivo and the implant 10.

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